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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/029,617	11/01/2001	Michelle R. Lutche	P-0675	4532

7590 05/19/2004
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EXAMINER

GESESSE, TILAHUN

ART UNIT	PAPER NUMBER
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2684

DATE MAILED: 05/19/2004

3

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/029,617

Applicant(s)

LUTCHE ET AL.

Examiner

Tilahun B Gesesse

Art Unit

2684

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 November 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-36 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-36 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Specification

1. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-36 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ruck (2002/0019248) in view of Takasu et al "Takasu" (4,733,127).

As to claim 1, Ruck teaches a mobile telephone (1) producing a visual signal (figure 3) upon ringing (page 2 para. 0026 and 0027 and figures 6 and 7). Ruck discloses a portable communication device (1), including an outer cover (2a and 2b) and a main circuit board assembly (14 and 15) and a ringing transducer (coder 14 and controller 15), a power source and a transducer power circuit (3 and 15), producing a ring tone which varies in frequency, amplitude and duration (page 1, para 0003 and page 2, para. 0025 and 0026), a substrate (17) (page 1 para. 0022) a bus line mounted on the substrate, the bus line includes a pair of conductors (page 1 para.0022). The bus lines are well known conductor between electronics elements. Ruck discloses at least one light-emitting device (18) connected to the pair of conductors (figure 3). Ruck does not interconnection leads each respectively connected to one of the pair of conduction,

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the interconnection leads having a portion extending away from the substrate and having first and second remote end terminals. However, Takasu teaches a substrate (11) and a unit of arrayed light emitting diodes using pair of conductors (abstract and column 4, lines 27-41 and figure 2).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine Ruck and Takasu in connecting plurality of diodes, as taught by Takasu, in order to alert the user in more attractive way of alerting by varying the color and magnitude of indicating.

As to claim 2-4, Ruck teaches a display call button, the outer cover is translucent (figure 3 and it's disclosure).

As to claim 5, Ruck discloses the substrate is essentially coextensive with the shape, size and configuration of the main circuit board assembly and thin, flexible material, plastic, transparent and means for securing the substrate to the main circuit board assembly (page 1 para 0022 and figure 3).

As to claim 6-9, Ruck discloses the substrate is thin, flexible material, plastic, transparent (page 1, para. 0022).

As to claims 10-11, Ruck discloses clip on the substrate and portion of the substrate, which is folded under, or cover to from the clip (figures 1 and 3).

As to claims 12 and 13, Ruck discloses the first and second remote end terminal are sized and positioned to be in contact, and the substrate on which the bus line is mounted consists of a portion of the outer cover (page 1, para.0022).

As to claim 14, Ruck discloses the substrate on which the bus line is mounted consists of a portion of the main circuit board assembly (page 1, para.0022 and figures 1 and 3).

As to claims 15-17, Ruck discloses the portable communication device (1) is a cellular telephone and a paging device and a 2-way radio (page 1, paras 0002 and 0003, 0021).

As to claims 18-20, Ruck discloses the ringing transducer is a ringer, buzzer, a speaker (page 1, para 0021)

As to claim 21, Ruck discloses the audible sound produce is musical tones (page 2 para 0026 and 0027),

As to claims 22-27, Ruck discloses the light emitting device is a light emitting diode, an incandescent light and the light emitting device produces a clear light, white light colored light and illuminated through an opening in the outer cover (page 1, para. 0022 and page 2 para 0034 0035).

As to claims 28-30, Ruck discloses the substrate futher includes at least one cut out portion, one or more holes (figure 1).

As to claim 31, Ruck discloses the bus line is mounted on the substrate by means of an adhesive tape placed over the bus line (the bus line that connects the diode page 1, para 0022)

As to claims 32-33, the bus line is mounted on the substrate by means of placing the bus line between two laminated layers forming the substrate (figure 1).

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As to claim 34, which recites the step of apparatus claim, similar to claim 1, is rejected for the same reason set forth in claim.

As to claims 35-36, Ruck discloses a substrate (17) (page 1 para. 0022) a bus line mounted on the substrate, the bus line includes a pair of conductors (page 1 para.0022). The bus lines are well known conductor between electronics elements. Ruck discloses at least one light-emitting device (18) connected to the pair of conductors (figure 3). Ruck does not interconnection leads each respectively connected to one of the pair of conduction, the interconnection leads having a portion extending away from the substrate and having first and second remote end terminals. However, Takasu teaches a substrate (11) and a unit of arrayed light emitting diodes using pair of conductors (abstract and column 4, lines 27-41 and figure 2).

Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to combine Ruck and Takasu in connecting plurality of diodes, as taught by Takasu, in order to alert the user in more attractive way of alerting by varying the color and magnitude of indicating.

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Emmert et al (6600662) discloses the vibrator assembly includes motor to provide a silent alert in lieu of or addition to an audible ringer tone the radio telephone 100 under control of the logical board (column 3, lines 15-28 and column 5, lines 1-10).

Kela et al (2003/0054854) discloses an electronic device is discloses an comprising a display a keypad, a light source associated with the display and a substrate to receive the display (abstract and figure 3)

Kaschke (5555550) discloses a keypad apparatus with integral display indicator bars provides input to a device while displaying the status of the device on the display indicator bars (abstract and figure 1.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tilahun B Gesesse whose telephone number is 703-308-5873. The examiner can normally be reached on flex.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on 703-308-7745. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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TBG

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May 10, 2004

Tulekhan Raf
ELANJA GESESSE
JOINT EXAMINER